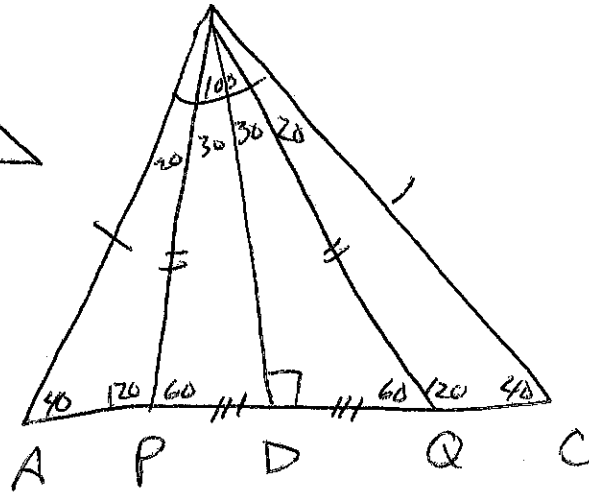


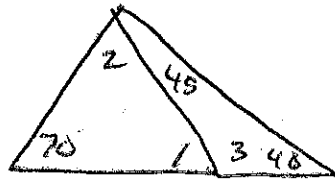
p 228 9-15, 20, 22-28 p 761-762 5-7 p 785 10



9. Obt. Isos
10. Right, Scalena
11. Equangular, Equilateral



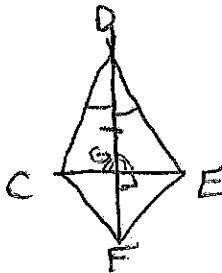
12.  $m\angle 1 = 85$
13.  $m\angle 2 = 25$
14.  $m\angle 3 = 95$



15.  $\triangle EFG \cong \triangle DCB$

$\angle E \cong \angle D$ ;  $\angle F \cong \angle C$ ;  $\angle G \cong \angle B$ ;  $\overline{EF} \cong \overline{DC}$ ;  $\overline{FG} \cong \overline{CB}$ ;  $\overline{EG} \cong \overline{DB}$

20.



G:  $\overline{DF}$  bis.  $\angle CDE$

$\overline{CE} \perp \overline{DF}$

P:  $\triangle DGC \cong \triangle DGE$

① ~

① Given

②  $\angle DGE + \angle DGC$  are Rt  $\angle$ s ② def  $\perp$

③  $\angle DGE \cong \angle DGC$  ③ Rt  $\angle$ s are  $\cong$

④  $\angle CDG \cong \angle EDG$  ④ Def  $\angle$  Bis

⑤  $\overline{DG} \cong \overline{DG}$  ⑤ Reflexive

⑥  $\triangle DGC \cong \triangle DGE$  ⑥ ASA

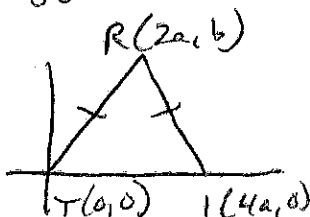
22 32

23 40

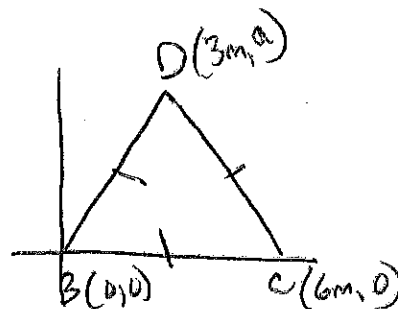
24 30

25 80

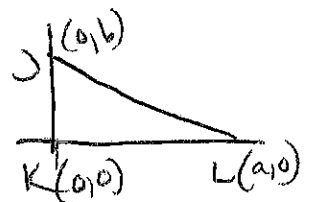
26.



27.



28.



4.7

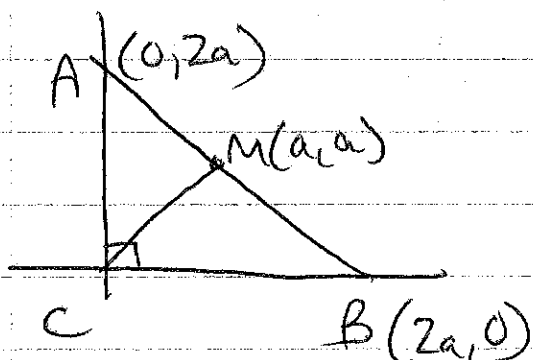
5.  $A(a, b)$   
 $B(-a, 0)$

6.  $F(-b, b)$

7.  $G(-a-2, 0)$   
 $I(0, b)$

p785

10.



$\overline{CM}$   $m = \frac{a-0}{a-0} = \frac{a}{a} = 1$

$\overline{AB}$   $m = \frac{2a-0}{0-2a} = \frac{2a}{-2a} = -1$

~~Since~~ 1 and -1 are opposite reciprocals  $\therefore \overline{CM} \perp \overline{AB}$